ELSEVIER

Journal of Hydrology 249 (2001) 197

Journal of Hydrology

www.elsevier.com/locate/jhydrol

Contents of Volume 249

Vol. 249 Nos. 1–4 **August 1, 2001**

Special Issue: Probabilistic and Ensemble Forecasting

Preface 1
The case for probabilistic forecasting in hydrology
R. Krzysztofowicz 2
Short-Term Forecasting
Equifinality, data assimilation, and uncertainty estimation in mechanistic modelling of complex environmental systems using the GLUE methodology
K. Beven and J. Freer 11
Stochastic series lumped rainfall–runoff model for a watershed in Taiwan
C.-C. Lee, Y.-C. Tan, C.-H. Chen and T.-C. Jim Yeh 30
Hydrologic uncertainty processor for probabilistic river stage forecasting: precipitation-dependent model
R. Krzysztofowicz and H.D. Herr 46
Integrator of uncertainties for probabilistic river stage forecasting: precipitation-dependent model
R. Krzysztofowicz 69
Long-Term Forecasting
Considering diversity in precipitation variability when updating seasonal flow forecasts
I. Shentsis and A. Ben-Zvi 87
Insights from a history of seasonal inflow forecasting with a conceptual hydrologic model
D.J. Druce 102
Reservoir optimization using sampling SDP with ensemble streamflow prediction (ESP) forecasts
B.A. Faber and J.R. Stedinger 113
Probabilistic/ensemble forecasting: a case study using hydrologic response distributions associated with El Niño/Southern Oscillation (ENSO)
M.L. Anderson, M.L. Kavvas and M.D. Mierzwa 134
Assessment of Folsom lake response to historical and potential future climate scenarios: 1. Forecasting
T.M. Carpenter and K.P. Georgakakos 148
Assessment of Folsom Lake response to historical and potential future climate scenarios: 2. Reservoir management
H. Yao and A. Georgakakos 176